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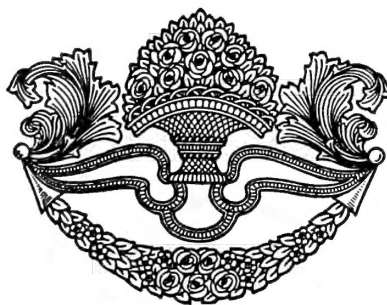
CATALOGUE OF

GRASS, AGRICULTURAL

LIBRARY
U. S. Department of Agriculture,
Washington, D. C.

AND GARDEN

SEEDS

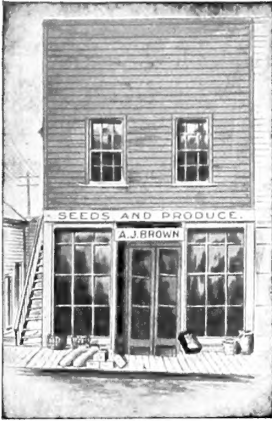


OFFERED BY

ALFRED J. BROWN SEED CO.

GROWERS, MERCHANTS AND IMPORTERS

GRAND RAPIDS, MICH.

**ESTABLISHED 1885**

GOOD SEEDS TO THE SEED BUYER

THE success of the farm or garden depends principally upon good seeds. No matter how good the land, or how favorable the season, poor seeds will result only in bringing sad disappointments.

Low grade seeds, or seeds not adapted to our climate are not cheap at half price. We have been talking good seeds twenty years or more. We have been selling good seeds twenty years or more. You know **Good Seeds** cost a little more, but they are worth much more.

Do not get fooled. Abraham Lincoln used to say: "You can fool some people all the time, you can fool all the people some time, but you can't fool all the people all the time." The Farmer as well as the Gardner is getting pretty wise. Most of them say, "You must show me." That is just what we want to do—show you that the seeds we sell are all we claim for them.

We have been actually engaged in seed growing for more than twenty years. Our knowledge of the business is worth something to you, as well as to ourselves. The greatest asset we enjoy today is a good reputation. We employ the most careful methods in handling our seeds so as to avoid any possible mistakes. No seeds of any kind are sent out until they are first tested so that we know they will grow. (Season permitting).

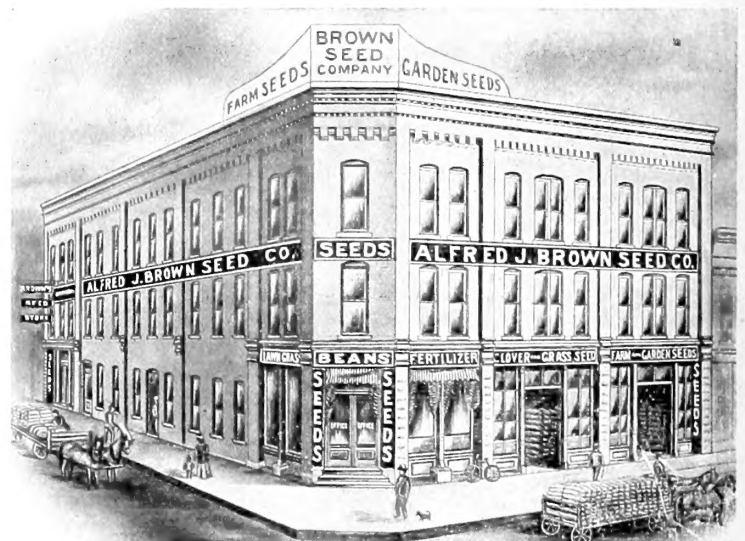
We positively refuse to handle or send out any seeds that we do not believe to be good, and only such seeds as we believe will give the best satisfaction.

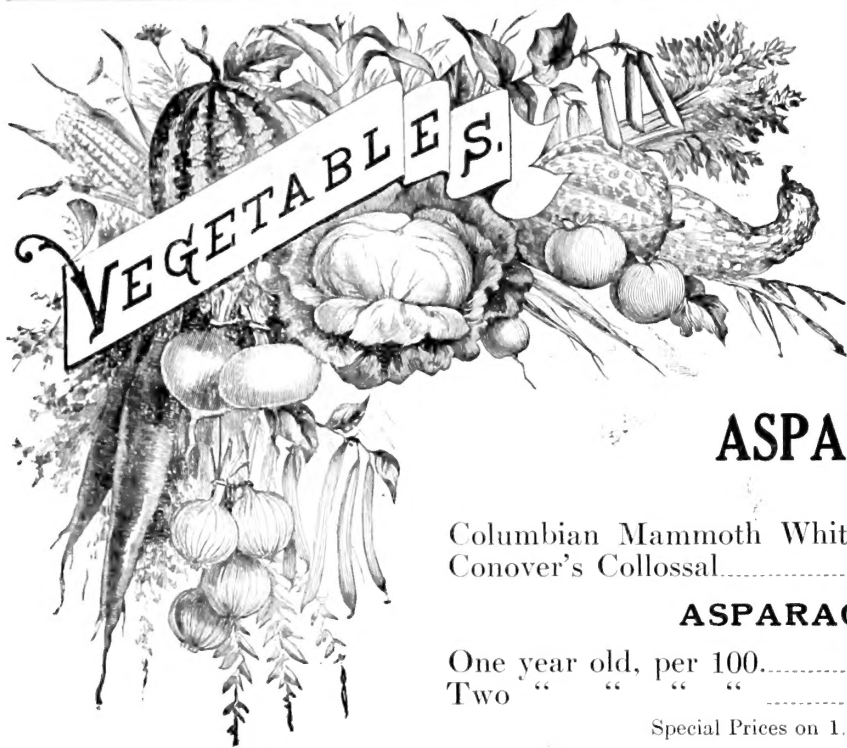
SPECIAL NOTICE:

As there are so many contingencies that may arise at planting time, such: as sowing too deep, too shallow, or in soil that is too wet and cold, or land that is too dry, late frosts, floods or drouth, Cut worms that destroy the plants before they are visible, and various other causes, we, in common with other seed dealers give no warranty express or implied as to description, purity, productiveness or any other matter, of any seeds, bulbs or plants we send out, and we will not in any way be responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once and the money paid for same will be refunded.

ORDERS:

We pay postage on packets, also seed by the ounce or quarter pound. Our prices, however, will not permit us to pay postage on pounds, pints or quarts. Such quantities, as well as pecks and bushels are F. O. B. Grand Rapids. No charge for cartage. When ordering Clover or Grass seeds which require grain bags, add 20 cents each for bags. No charge will be made for gunny sacks or boxes. To insure prompt service, always send the money with your order and give full address.

**OUR QUARTERS SINCE 1905**



In making up our list of varieties of vegetables, we have discontinued to catalogue many old varieties that are little grown, and in their place offer newer and better kinds, believing that we can better serve your interests in urging you to plant the varieties that we have tried out and know to be good.

ASPARAGUS

	OZ.	$\frac{1}{4}$ LB.	LB.
Columbian Mammoth White.....	5	15	50
Conover's Colossal.....	5	15	50

ASPARAGUS ROOTS

One year old, per 100.....	75
Two " " " ".....	1 00

Special Prices on 1,000 roots and upwards.

Improved Pea Bean

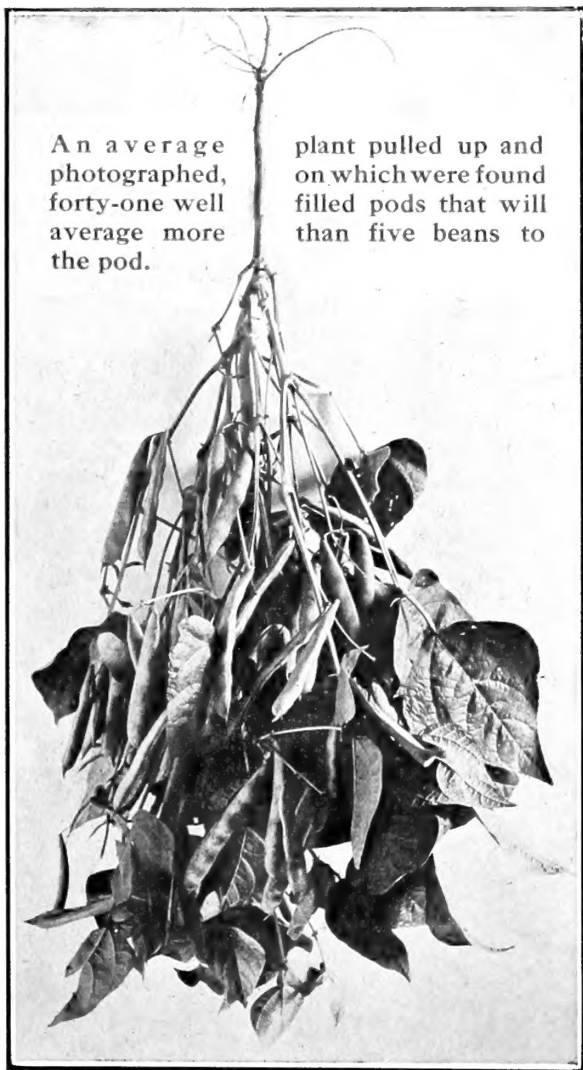
When we introduced this splendid new type of Pea or Navy Field Bean two years ago, we did not over estimate its great value. Farmers who have planted it right along beside the Common Pea Bean, can not speak too highly of it. Its value as a Field Bean lies in the fact of its very uniform size, earliness, and its uniformity in ripening. Furthermore, its habit of growth holds the pods well up off the ground, so that very few get damaged, and in consequence very little or no handpicking is necessary. We have received many unsolicited testimonials as to its yielding qualities and it is safe to say that at least one-third more Beans can be grown to the acre.

The Beans will always bring the top price, and in a good many instances a little more than prices being paid by Elevator Men throughout the State for Common Pea Beans.

The Seed Beans we offer have been carefully grown and any plants that did not appear to resemble the true type were taken out, so that you can count upon our stock being pure. **Price Per Bushel \$3.00**, put up in sealed bags of two bushels. No charge for bags.

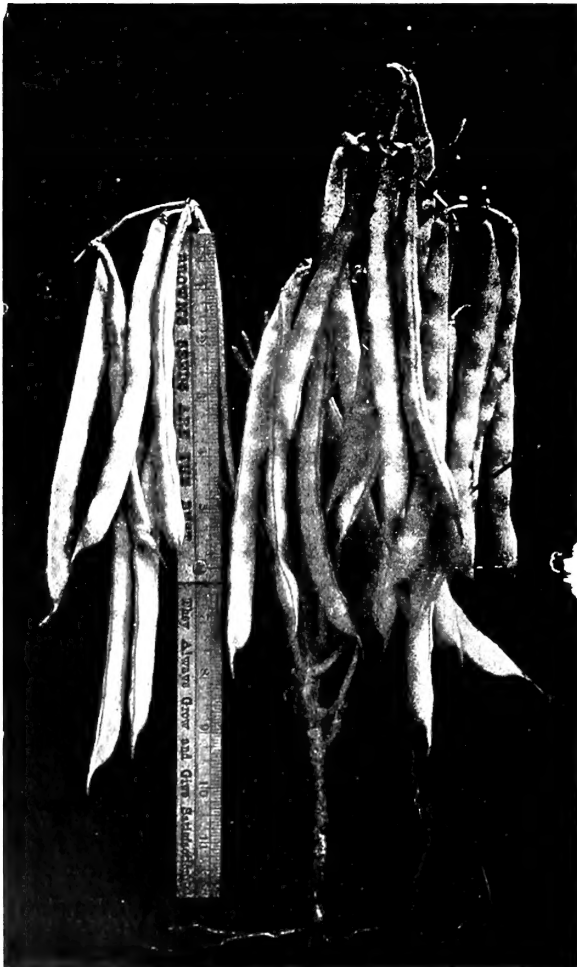
An average photographed, forty-one well average more the pod.

plant pulled up and on which were found filled pods that will than five beans to





Challenge Black Wax

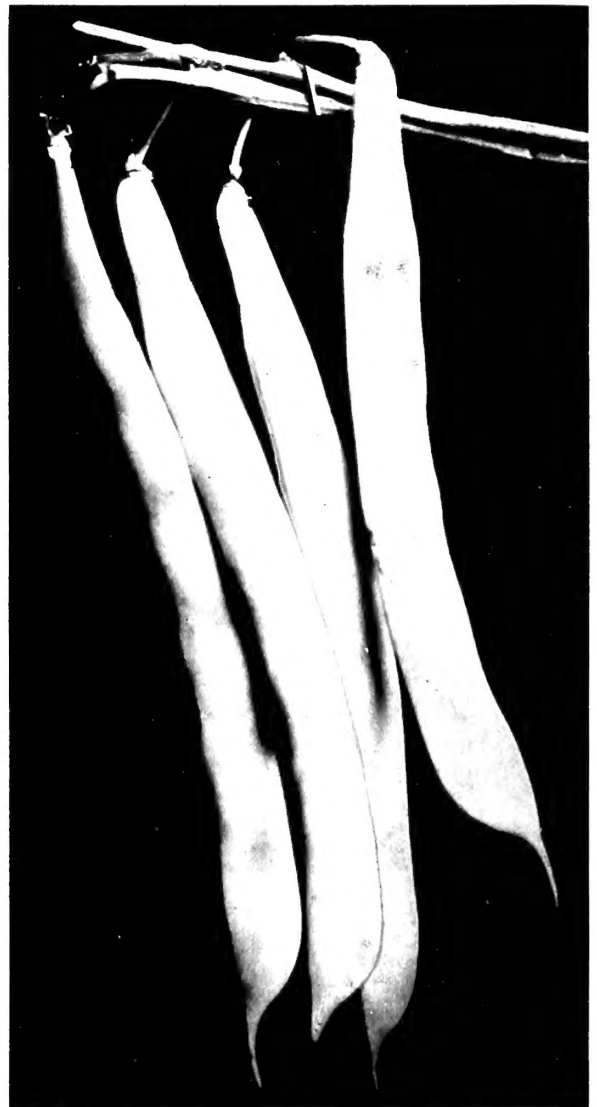


Davis Kindney Wax

BEANS

CULTURE

There is nothing that responds more readily to good cultivation and soil than beans. We advise fall plowing to insure best results. The land that is best adapted to beans is medium rich, well drained loam, which has been fertilized for a previous crop. As the plant is sensitive to both cold and wet, they should not be planted until the ground has become dry and warm. While the largest returns are obtained from planting in drills from two to three feet apart, good results may be had from planting in hills two feet apart each way. It is not necessary to give the bean crop deep cultivation. If the ground is kept clean up till the time of blossoming, and the season favorable, success is sure. It is detrimental to the crop to cultivate after beans begin to set, as it will cause them to blast and injure the crop to a large extent.



Curries Rust Proof



Dwarf Golden Wax

This photo half-tone illustrates a single plant of the old fashioned type of Golden Wax introduced many years ago by D. M. Ferry & Co. It is still a favorite in this market. This bean is also known as Speckled Golden Wax or Butter Bean. Pods flat and broad, very fleshy, of golden yellow clear to the tips of the pods. Very productive and a great favorite with market gardeners in our home market.

Dwarf Golden Wax

BEANS—Dwarf Wax Sorts

	QT.	PK.	BU.
Davis Kidney Wax.....	25	\$1 50	\$5 50
Wardwell's Kidney Wax	25	1 50	5 50
Dwarf Golden Wax.....	25	1 50	5 50
Challenge Black Wax.....	25	1 50	5 50
German Black Wax.....	25	1 50	5 50

	QT.	PK.	BU.
Pencil Pod Black Wax....	25	\$1 50	\$5 50
Curries' Rust Proof.....	25	1 50	5 50
Improved Golden Wax..	25	1 50	5 50
Michigan White Wax.....	25	1 50	5 50



Burpee's Stringless Green Pod

Burpee's Stringless Green Pod Bean

Our trials of the Burpee's Stringless Green Pod Bean have convinced us beyond a question of doubt that this Bean stands without a rival among the green podded sorts. It has held its own for many years past in spite of the many new introductions of green podded varieties, and we consider it superior in quality to all others. Plants produce a profusion of long round pods. Is absolutely stringless and is brittle at all stages of growth, very tender and good flavor.

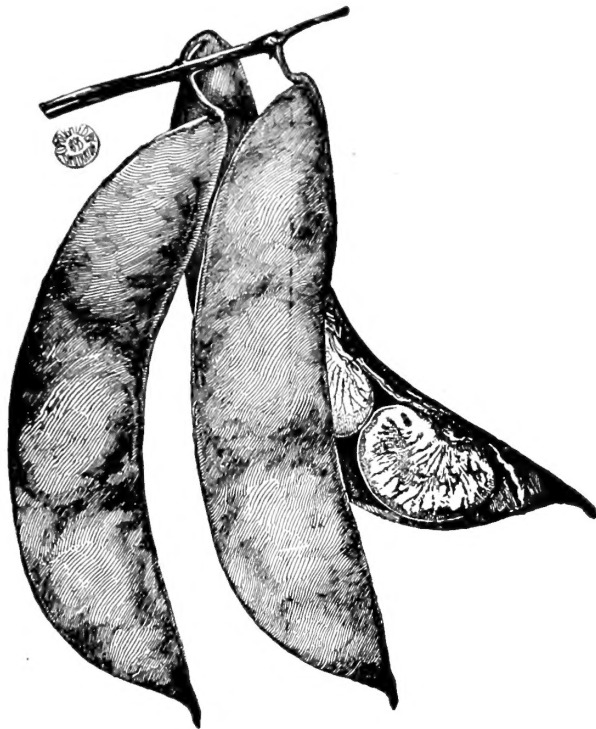
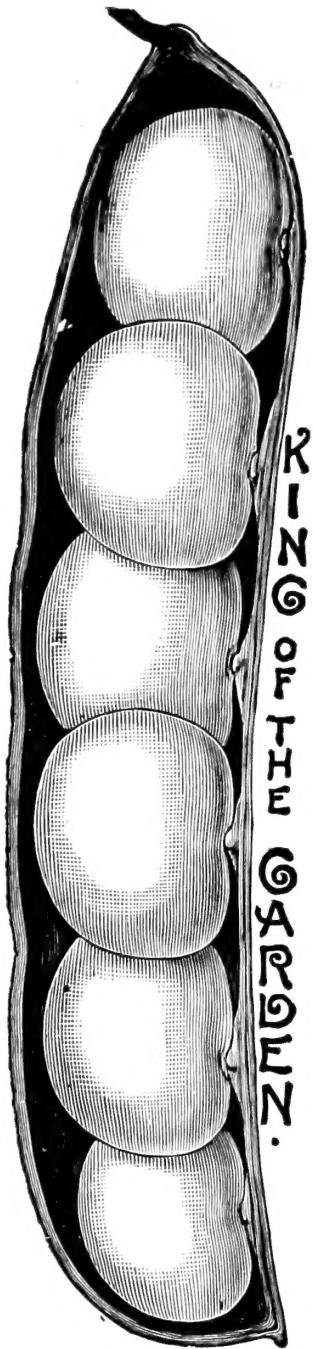
Is not so popular with shippers of Green Beans from the South, but it is by far the best early green podded variety for local market garden trade, as well as the home garden.

BEANS

Dwarf Green Podded

	QT.	PK.	BU.
Burpee's Stringless Green Pod	25	\$1 50	\$5 50
Extra Early Red Valentine	25	1 25	4 50
Extra Early Refugee	25	1 25	4 50
Refugee or Thousand to One	25	1 25	4 50
Dwarf Horticultural	25	1 40	5 00

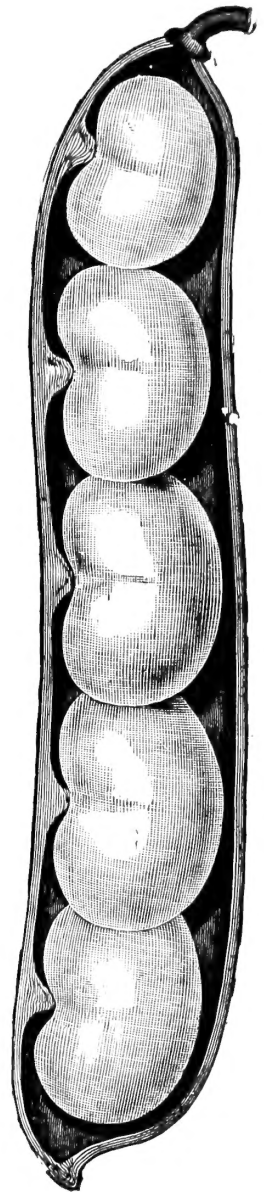
	QT.	PK.	BU.
Royal White Dwarf Kidney	20	\$1 00	\$3 50
Large White Marrow	20	1 00	3 50
Improved Red Kidney	20	1 00	3 50
Improved Pea or Navy	20	85	3 00



Sieberts or Early Jersey Lima



Burpee's Bush Lima



Large White Lima

LIMA BEANS**POLE BEANS**

	QT.	PK.	BU.
Burpee's Bush Lima.....	30	\$2 00	\$7 00
Henderson's Bush Lima..	30	2 00	7 00
King of the Garden.....	30	1 75	6 50
Sieberts or Jersey.....	30	1 75	6 50

	QT.	PK.	BU.
London Horticultural.....	30	\$1 75	\$6 50
Dutch Case Knife.....	30	1 60	6 00
Kentucky Wonder.....	30	1 60	6 00
White Creaseback.....	30	1 60	6 00

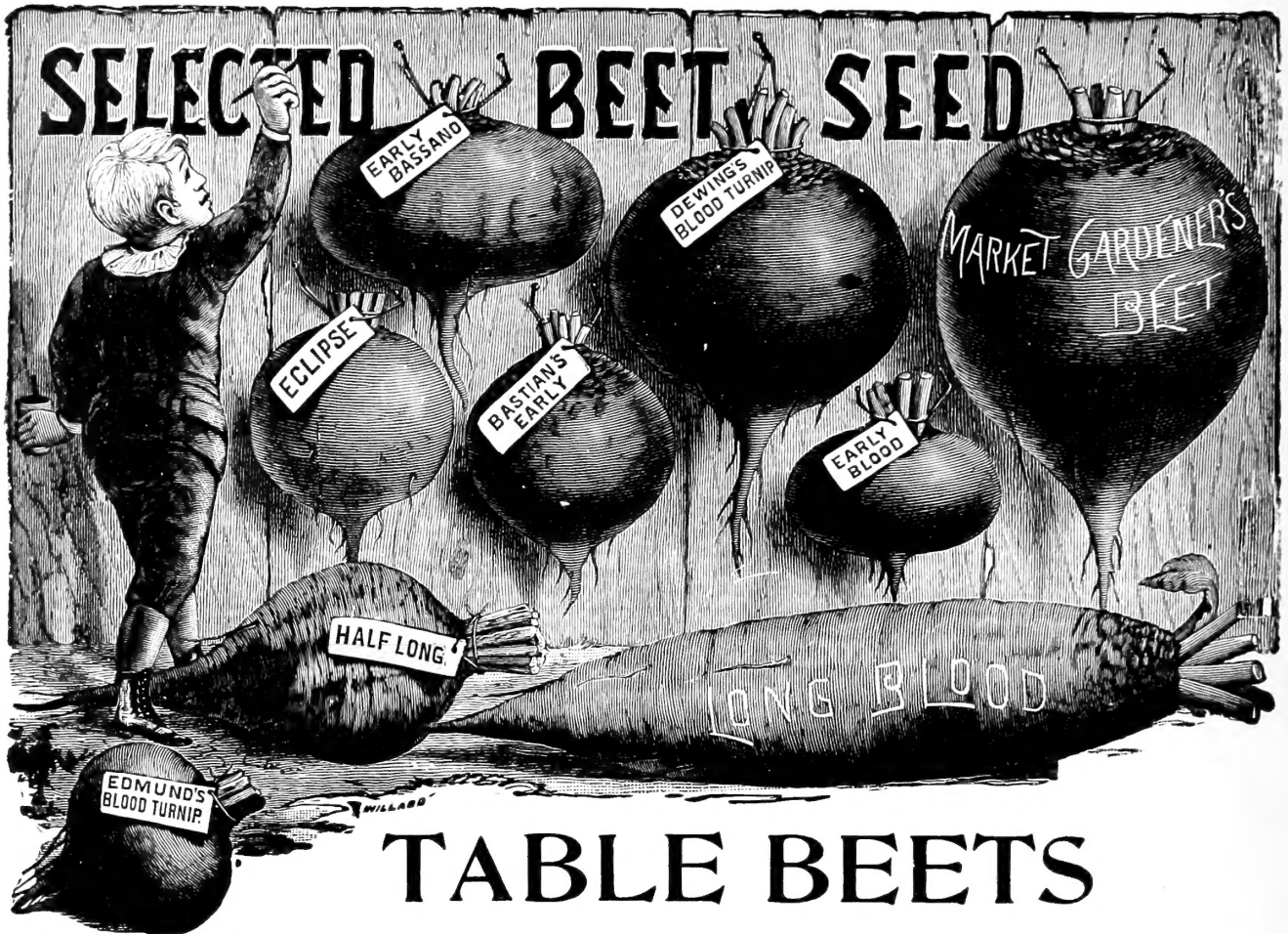
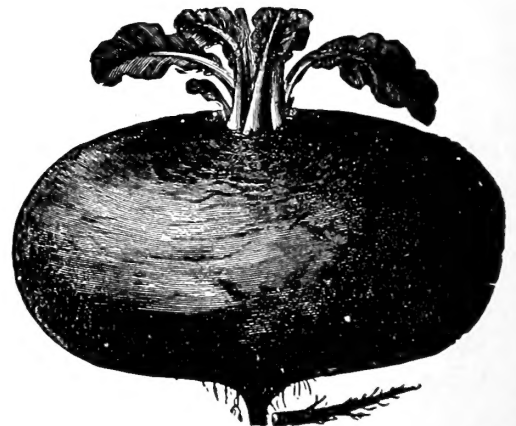


TABLE BEETS

Crosby's Extra Early Egyptian Beet

This is a superior strain of the well-known Egyptian Beet, carefully selected by Mr. Crosby, a well-known eastern market gardener, whose aim was to secure an extra early forcing variety. It is at least a week earlier than any of the table beets. It is of good size, handsome form, small top and very small tap root, extra fine quality, deep blood red and of quick, rapid growth. This new beet is a decided advantage over other varieties, and should be used by all those who grow early beets for market purposes and bunching.

It is by far a better forcing beet, both in frames and out-door culture, than the early Eclipse. We can heartily recommend it to every market gardener.



	OZ.	¼ LB.	LB.		OZ.	¼ LB.	LB.
Crosby's Early Egyptian	10	25	65	Detroit Dark Red Turnip	10	25	60
Egyptian Blood Turnip..	10	25	65	Half Long Blood.....	10	25	55
Eclipse Blood Turnip.....	10	25	60	Long Dark Blood.....	10	25	55
Early Blood Turnip.....	10	25	60	Swiss Chard.....	10	25	60



Klien
Wanzleben



Vilmorin's
Improved



Mammoth Long Red
Mangel Wurzel

STOCK and SUGAR BEETS

Culture for Mangel and Stock Beets.

The same culture of table beets applies to the mangel and stock beets, but they should be planted farther apart from row to row in order to admit of the horse cultivator. We cannot too strongly recommend mangels and sugar beets for feeding cattle, sheep and swine. The roots grow to a much larger size than turnips, making a much larger yield. They are also more nutritious and fattening for food during winter, largely increasing the yield of milk in cows. Sow the seed in rows two and a half or three feet apart at the rate of six to ten pounds to the acre. When the plants are two or three inches high, thin or cut out with the hoe to ten or twelve inches apart. The roots should be harvested before frost and stored in pits or the cellar the same as table beets.

SUGAR BEET FOR SUGAR MAKING

	LB.	6 LBS.
Klien Wanzleben.....	20	\$1 00
Vilmorin's Improved.....	20	1 00

SUGAR BEET FOR STOCK FEEDING

	LB.	6 LBS.
Giant Half Sugar.....	20	\$1 00
White French Sugar, Red Top	20	1 00
Yellow French Sugar.....	20	1 00
Lane's Imperial Sugar.....	20	1 00

MANGEL WURZEL

	LB.	6 LBS.
Mammoth Long Red, Imp'd	20	\$1 00
Yellow Globe.....	20	1 00
Orange Globe.....	20	1 00
Golden Tankard.....	20	1 00
Yellow Leviathan.....	20	1 00
Red Globe.....	20	1 00



This is the type of the Danish Round Winter Cabbage, from which our Seed is grown.

Danish Cabbage

We import our Danish Cabbage Seed direct from one of the oldest, most reliable and experienced growers in Denmark, and it has given splendid satisfaction for many years past. The extra cost for good seeds is but a small item per acre and should not be considered. The cabbage grown from our seed has proven beyond a question of doubt to be far superior as to solidity and excellent keeping quality as well as sure headers.

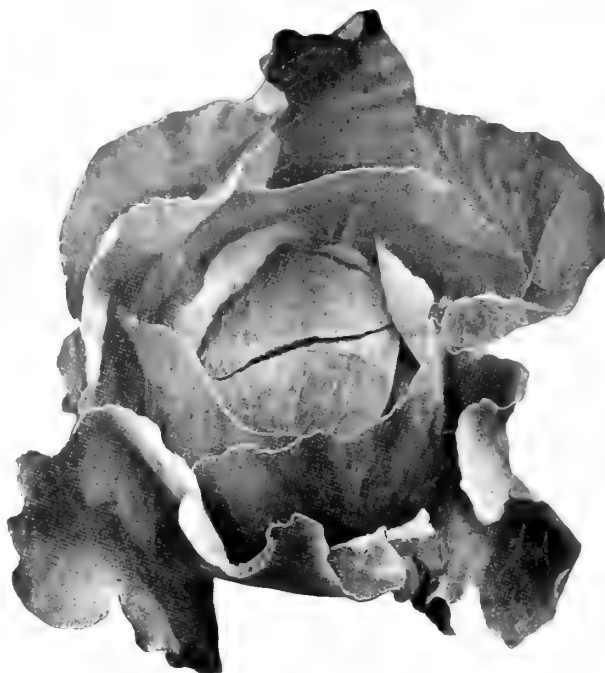
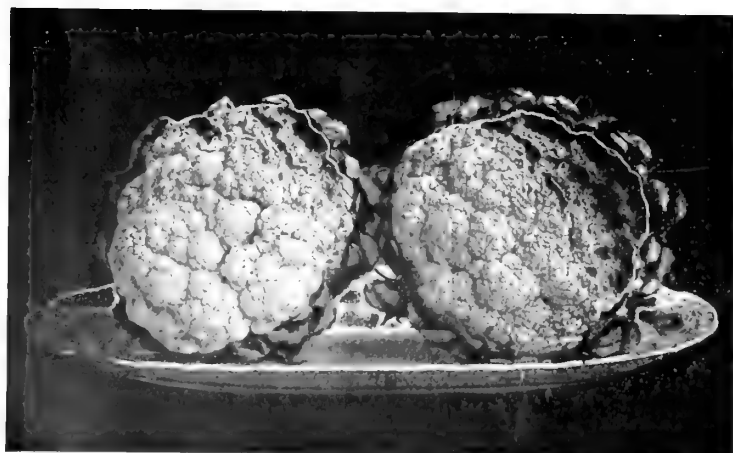


Photo engraving showing how the Cabbage looks in the field when full grown.

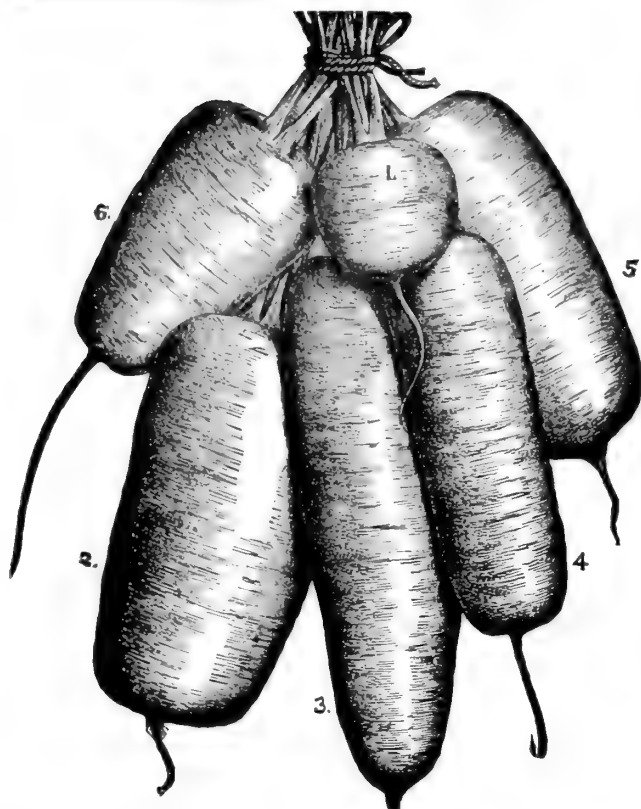


True Snow Ball Cauliflower.

Price per oz. \$2.00, $\frac{1}{4}$ lb. \$7.00, lb. \$24.00.

	OZ.	$\frac{1}{4}$ LB.	LB.
Early Jersey Wakefield.....	20	75	\$2 75
Large Wakefield Charleston	20	75	2 75
Early Winningstadt	15	50	1 75
Henderson's Early Summer	20	60	2 00
Fottler's Imp. Brunswick...	20	60	2 00
All Seasons.....	20	65	2 25
Henderson's Succession.....	20	60	2 00
Early Flat Dutch.....	20	60	2 00
Premium Flat Dutch.....	20	60	2 00
Large Late Drumhead.....	20	60	2 00
Surehead.....	20	65	2 25
Danish Round Winter.....	20	75	2 50
Hollander.....	20	65	2 25
Mammoth Rock Red.....	20	65	2 25

We import this Seed from Demark, from one of the oldest and most reliable Cauliflower seed growers.



No. 1—Extra Early Forcing. No. 4—Danver's Half Long.
 No. 2—Oxheart. No. 5—Nantes Half Long.
 No. 3—Improved Long Orange. No. 6—Chantenay Stump Rooted

CARROT

The carrot should be extensively used, both for culinary and stock feeding. The vegetable is wholesome and nutritious. It is especially valuable for feeding horses and milch cows. The early varieties are used exclusively for the table, while the Half Long and Long Yellow varieties are used mostly for horses. The Mammoth White and Belgium varieties are used almost exclusively for cattle. A rich, sandy loam we consider the best soil for carrots, although any good land, if deeply worked, will produce a satisfactory crop.

TABLE CARROTS

	OZ.	$\frac{1}{4}$ LB.	LB.
Early Short Horn.....	10	25	75
Danver's Half Long.....	10	25	70
Chantenay Stump Rooted..	10	25	70
Guerrande or Ox Heart....	10	25	70
Nantes, Half Long.....	10	25	70
Long Orange.....	10	25	60

STOCK CARROTS

	OZ.	$\frac{1}{4}$ LB.	LB.
Giant White Belgium.....	5	15	50
Orange Belgium.....	5	15	50
Improved Short White.....	5	15	50

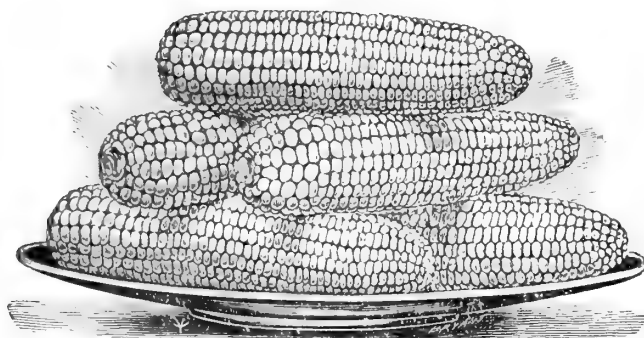
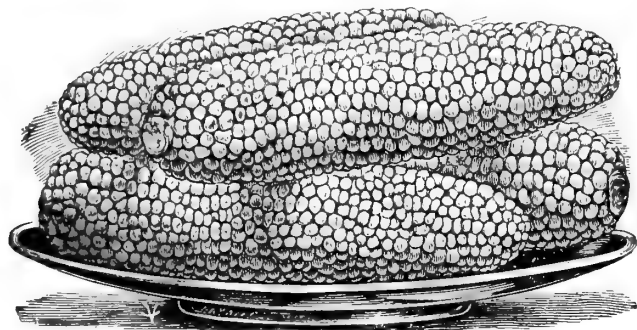


GOLDEN SELF-BLANCHING

CELERY

	OZ.	$\frac{1}{4}$ LB.	LB.
Golden Self-Blanching.....	25	90	\$3 00
White Plume.....	20	60	2 00
Giant Pascal.....	15	40	1 50
Perfection Heartwell.....	15	35	1 25
Dwarf White Solid, or Kalamazoo....	15	40	1 50
Crawford's Half Dwarf.....	15	35	1 25
Dwarf Golden Heart.....	15	40	1 50
Boston Market.....	15	40	1 50
Celeriac or Turnip Rooted.....	15	40	1 50
Celery Seed for Flavoring.....	5	15	40
Celery, Soup or Cutting.....	15	25	90

	OZ.	$\frac{1}{4}$ LB.	LB.
CRESS, Curled or Pepper Grass.....	5	15	40
CORN SALAD, Large Seeded.....	5	15	40
EGG PLANT, Improved New York Purple	40	\$1 25	\$4 50
ENDIVE, Moss Curled.....	10	30	1 00
“ Green “.....	10	30	1 00
KALE OR BORECOLE, Tall Green Curled Scotch	10	20	50
“ “ “ Dwarf Curled Scotch or German Greens	10	20	50
KOHL RABI, Early White Vienna.....	20	50	1 75
“ “ “ Purple Vienna.....	20	50	1 75
LEEK, London Flag.....	10	25	90

**EARLY WHITE CORY****COUNTRY GENTLEMAN**

Sweet Corn

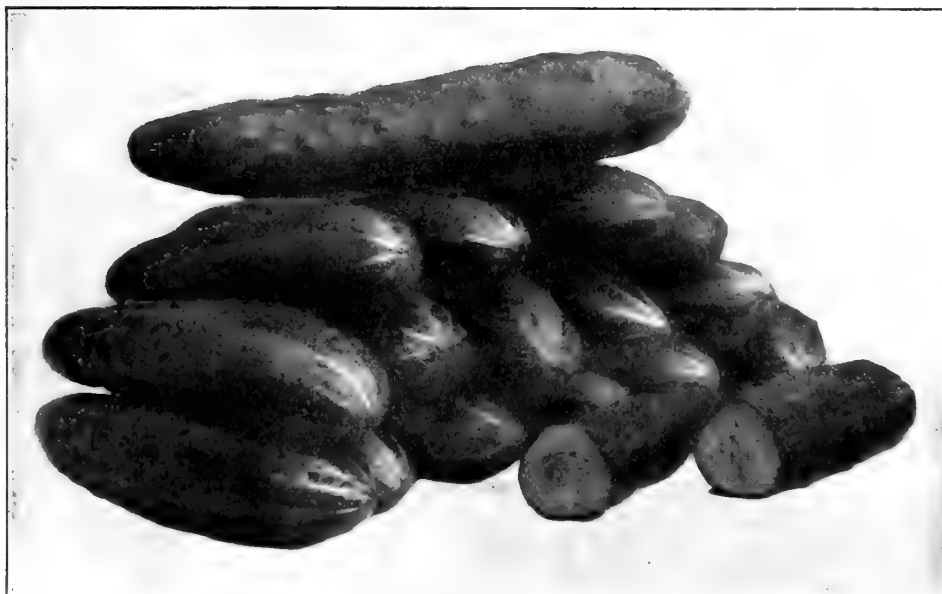
	QT.	PK.	BU.
Mammoth White Cory	25	\$1 25	\$4 50
White Cob Cory	25	1 25	4 50
Early Minnesota	20	1 10	4 00
Crosby's Early	20	1 25	4 50
Honey Dew	20	1 10	4 00
Perry's Hybrid	20	1 00	3 50
Black Mexican	20	1 10	4 00
Ferry's Evergreen	20	1 00	3 50
Stowell's Evergreen	20	1 00	3 50
Country Gentleman	20	1 10	4 00
Golden Bantum	30	1 75	6 00

Davis Perfect Cucumber

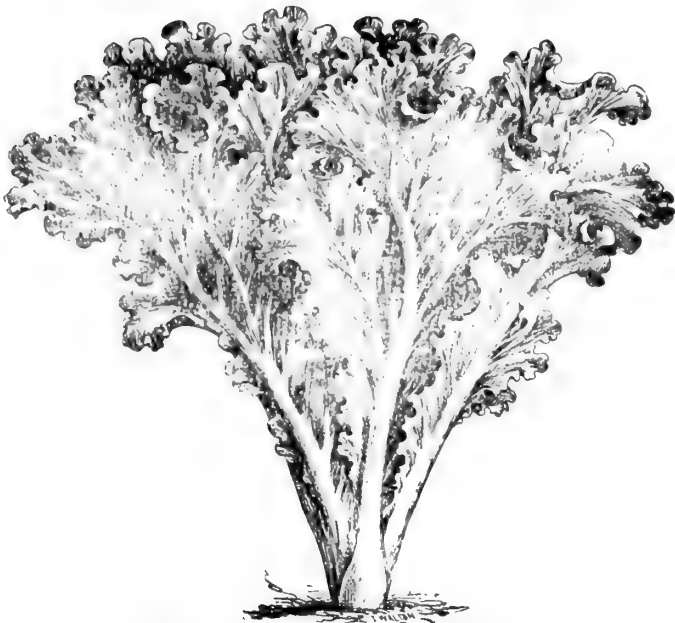
Originated by Eugene Davis and introduced by us in 1906. Now recognized by expert cucumber growers everywhere as being the best cucumber for forcing under glass or growing out doors.

Habit of growth vigorous and should not be planted as close together as other White Spine sorts. Fruit very dark, glossy, green; shape slim and symmetrical; average length about ten inches. Exceedingly crisp and tender, and seem to hold their color and freshness long after being cut. Not quite as early as some of the White Spine varieties, but will out-yield any of them and will sell when others are a drug on the market. The only cucumber for market gardeners to grow for profit, and the best for the home garden.

CUCUMBERS

**DAVIS PERFECT CUCUMBER**

	OZ.	$\frac{1}{4}$ LB.	LB.		OZ.	$\frac{1}{4}$ LB.	LB.
Davis Perfect	10	30	\$1 00	Chicago Pickling	10	25	80
Early Russian	10	25	80	Boston Pickling	10	25	75
Early Frame or Short Green	10	25	80	Improved Long Green	10	30	90
Early Green Cluster	10	25	90	Small Gherkin "for pickles"	15	40	1 50
Arlington White Spine	10	25	80	Cool and Crisp	10	30	90
Improved White Spine	10	25	80				

**GRAND RAPIDS FORCING**

Lettuce

	OZ.	$\frac{1}{2}$ LB.	LB.
Premium Cabbage.....	10	25	\$ 90
Early Curled Selesia.....	10	25	80
Hanson.....	10	25	90
Grand Rapids Forcing....	15	50	1 50
Early Tennis Ball.....	10	25	90
Early Curled Simpson....	10	25	80
Black Seeded Simpson....	10	25	80
Prize Head.....	10	25	90
California Cream Butter	10	25	90
Big Boston.....	10	25	90
Denver Market.....	10	25	90
Silver Ball.....	10	25	90
May King.....	10	30	1 00
Early White Cabbage.....	10	25	80



Mushrooms

Mushrooms can be grown in any dark room or cellar, where the temperature can be maintained at 50 degrees to 60 degrees. From old pasture procure the soil and store it away. To one bushel of this soil add two bushels of fresh horse manure. Of this well mixed compound prepare a bed, say four feet wide. Put down a thin layer and pound it down hard, and go on until you have a bed eight inches thick. It will soon become quite hot but let the heat recede until it is only 85 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut in each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about twelve days; then cover it with two inches of fresh loam, and over this place four or five inches of hay or straw, and the work is done. If the temperature is right, in six or eight weeks you may expect Mush-

rooms. The bed will continue bearing from twenty to thirty days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water, and cover with hay as before. Success is not always certain with the amateur, and is usually to be attained only after more or less experience. One pound of spawn is enough for a bed 3 x 6 feet.



GARDEN CITY, pure culture
 Lb. 10 Lbs.
 .15 \$1.25



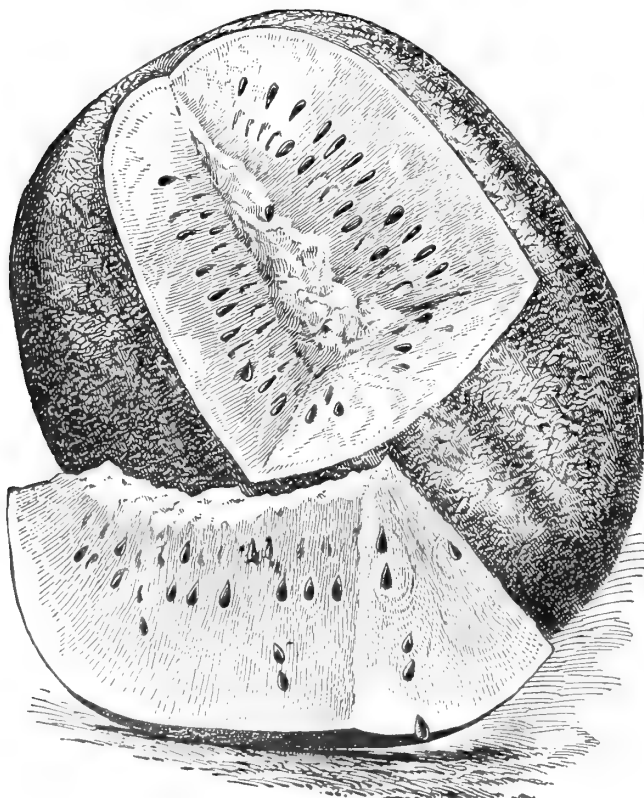
PAUL ROSE

This melon is a successful cross of the Osage with the Netted Gem and combines the sweetness of the former with the fine netting of the Gem. It has firmness of rind, structure of flesh peculiarly its own and is one of the finest melons of recent production. It is a good shipper and a long keeper. When melons are plentiful the Paul Rose has been known to sell at three times the price of other varieties. It is from ten days to two weeks earlier than the Osage. Its uniform shape is a great advantage to the shippers, as they can be placed in oblong baskets as shown in the photograph engraving. The seed we offer of this variety is from the original stock. Those who have not tried this melon will not make a mistake in planting it for early crop.

MUSK MELON

	OZ.	$\frac{1}{4}$ LB.	LB.
Paul Rose.....	10	30	\$1 00
Rocky Ford.....	10	25	90
Osage.....	10	30	1 00
Extra Early Hackensack ..	10	25	90
Large Hackensack.....	10	25	90
Netted Gem.....	10	25	80

	OZ.	$\frac{1}{4}$ LB.	LB.
Large Green Nutmeg.....	10	25	\$ 90
Montreal Nutmeg.....	10	30	1 00
Emerald Gem.....	15	40	1 25
Grand Rapids Early Market	10	25	90
Tip Top.....	15	30	1 00
Vaughan's Osage, "Select"	20	70	2 50



SWEET HEART

WATER MELONS

	OZ.	$\frac{1}{4}$ LB.	LB.
Sweetheart.....	10	20	60
Vick's Early.....	10	20	60
Mountain Sweet.....	10	20	60
Florida Favorite.....	10	20	60
Phinney's Early.....	10	20	60
Cuban Queen.....	10	20	60
Kolb Gem.....	10	20	60
Peerless.....	10	20	60
Mammoth Iron Clad.....	10	20	60
Round Light Icing.....	10	20	60
Dark Icing.....	10	20	60
Mountain Sprout.....	10	20	60
Black Spanish.....	10	20	60
Georgia Rattlesnake.....	10	20	60
Citron (for preserves).....	10	20	60

ONION SEED

Having harvested a full crop of onion seed from extra select bulbs we are in a position to offer it at very low prices. The seed is not only of strong vitality but is the very highest quality. We most strongly advise the placing of early orders. **PLEASE COMPARE OUR PRICES WITH OTHERS.**

	OZ.	$\frac{1}{4}$ LB.	LB.	5 LB.	10 LB.
Extra Early Flat Red.....	15	35	\$1 40	\$6 00	\$11 00
Large Red Wethersfield.....	15	35	1 25	5 00	9 00
Southport Red Globe (Select).....	15	35	1 25	5 00	9 00
Yellow Globe Danvers (Select).....	15	35	1 00	4 50	8 00
Michigan Yellow Globe.....	15	35	1 10	5 00	9 00
Yellow Strassburg.....	15	35	1 00	4 50	8 00
Yellow Danvers Flat.....	15	35	1 00	4 50	8 00
Mammoth Prize Taker.....	15	35	1 25	5 00	9 00
White Globe Southport.....	20	60	2 00	9 00	17 00
White Portugal or Silverskin.....	20	50	1 75	8 00	15 00
Early White Queen.....	15	35	1 25	5 50	10 00
Mammoth Silver King.....	15	35	1 25	5 50	10 00
White Barletta.....	15	35	1 25	5 50	10 00



SOUTHPORT RED GLOBE

ONION SETS

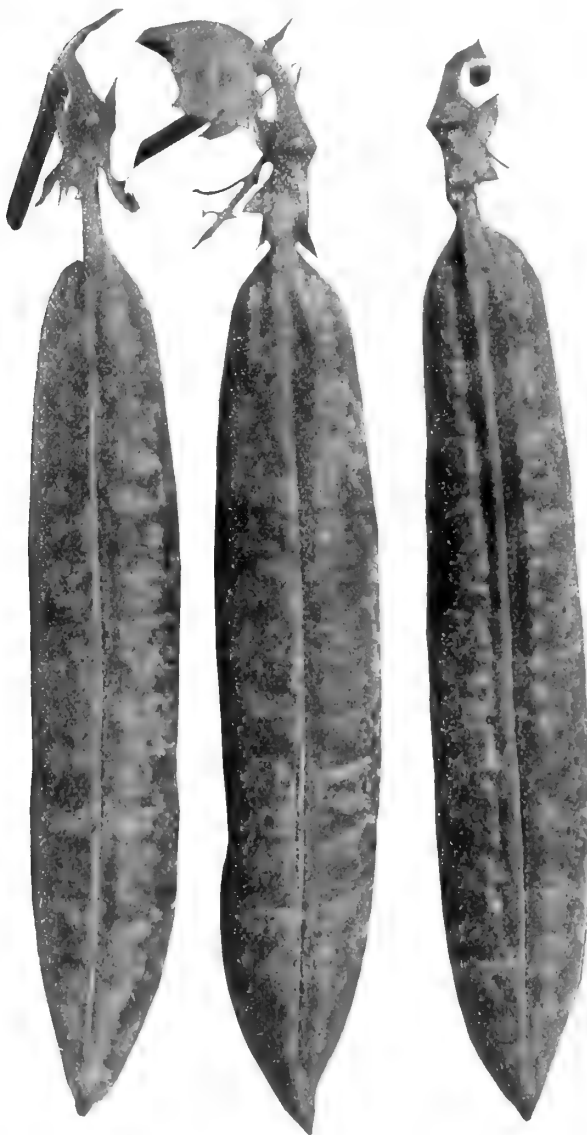
Choice White.....	Bu.	\$27.50
Choice Reds.....	"	2 00
Choice Yellows.....	"	2 00

Prices are subject to advance without notice.

**Gradus or Prosperity****PEAS—Early Sorts**

(Garden Peas are the shortest crop in the history of the Seed Trade.)

	QT.	PK.	BU.
Extra Early.....	30	\$2 00	\$7 00
First and Best.....	30	2 00	7 00
Alaska.....	25	1 75	6 00
American Wonder.....	40	2 50	9 00
Nott's Excelsior.....	40	2 50	9 00
Gradus.....	50	3 00
Thomas Laxton.....	50	3 00
McLean's Little Gem.....	40	2 25	8 00
Premium Gem.....	40	2 25	8 00

**Telephone****PEAS—Main Crop Sorts**

	QT.	PK.	BU.
Telephone.....	40	\$2 50	\$9 00
Alderman.....	40	2 50	9 00
Yorkshire Hero.....	30	2 00	7 00
Stratagem.....	30	2 25	8 00
Everbearing.....	35	2 25	8 00
Champion of England.....	35	2 25	8 00
Horsfords.....	30	2 00	7 00
Marrowfat.....	25	1 25	4 00
Sugar Edible Pods.....	30	2 00	7 00

PARSNIP

	OZ.	$\frac{1}{4}$ LB.	LB.
Improved Hollow Crown.....	5	10	30

PARSLEY

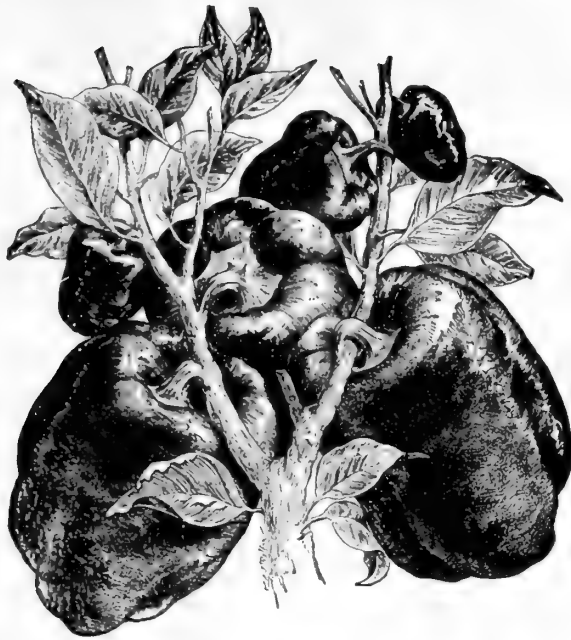
Champion Moss Curled.....	5	15	50
Tripple Curled.....	5	15	50

PEPPER

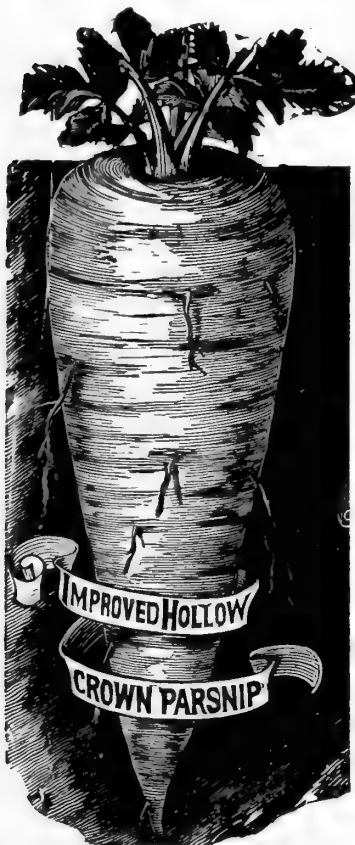
Ruby King.....	20	60	2 00
Large Bell or Bull Nose.....	20	60	2 00
Long Red Cayenne.....	20	60	2 00
Chinese Giant.....	30	1 00	3 00

PUMPKIN

Canner's Pumpkin.....	5	15	30
Large Cheese or Kentucky.....	5	15	35
Sugar.....	5	15	40
King of the Mammoths.....	10	25	85
Conneticut Field.....	5	10	25



**Large Bull Nose
Pepper**

PARSNIP**RADISH**

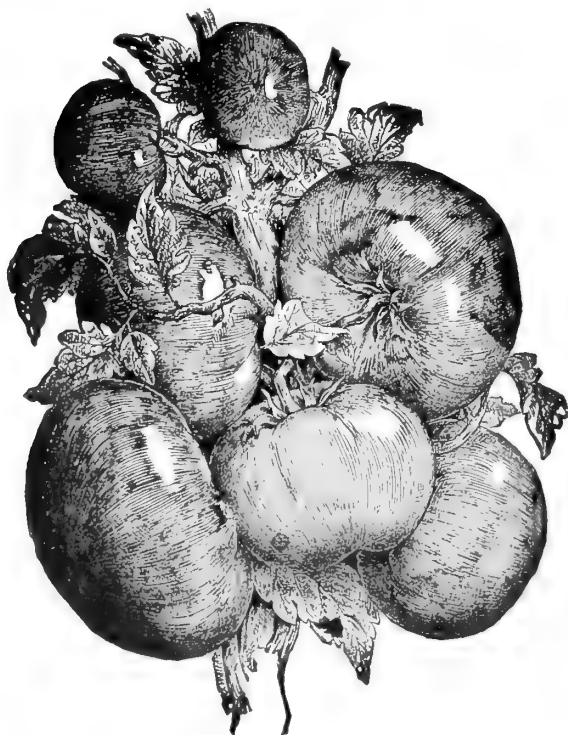
	OZ.	$\frac{1}{4}$ LB.	LB.	5 LB.	10 LB.
Vick's Scarlet Globe.....	5	15	50	\$2 00	\$3 50
Half Long Bright Scarlet.....	5	15	45	2 00	3 50
Scarlet Turnip.....	5	15	40	1 75	3 00
Scarlet Turnip White Tip.....	5	15	50	2 00	3 50
Early Round Dark Red.....	5	15	40	1 75	3 00
Long Scarlet Short Top.....	5	15	40	1 75	3 00
Wood's Early Frame.....	5	15	40	1 75	3 00
French Breakfast.....	5	15	40	1 75	3 00
Beckert's Chartier.....	5	15	40	1 75	3 00
Philadelphia White Box.....	5	15	45	2 00	3 50
Early White Turnip.....	5	15	40	1 75	3 00
White Strasburg.....	5	15	45	2 00	3 50
Large White Summer.....	5	15	50	2 00	3 50
Long White Vienna.....	5	15	45	2 00	3 50
Icicle.....	5	15	50	2 00	3 50
Chinese Rose or Scarlet China.....	5	15	45	2 00	3 50
Long Black Spanish.....	5	15	45	2 00	3 50
Round Black Spanish.....	5	15	45	2 00	3 50
Half Long Black Winter.....	5	15	60	2 25	4 00
Crimson Giant.....	5	15	50	2 00	3 50
Giant White Stuttgart.....	5	15	50	2 00	3 50

White Summer Crookneck



Rhubarb

Victoria.....per lb. \$1 00
Rhubarb Roots.....each 10



DWARF CHAMPION

SQUASH

SUMMER VARIETIES

	OZ.	$\frac{1}{4}$ LB.	LB.
Mammoth White Bush.....	10	25	70
White Summer Crookneck..	10	25	65
Early Yellow Bush Scallop	10	25	65
Early White Bush Scallop..	10	25	65
Summer Crookneck.....	10	25	65
Mammoth Summer Crook Neck	10	25	70
The Faxon.....	10	25	80

WINTER VARIETIES

Hubbard, True Select.....	10	25	65
Chicago Warty Hubbard....	10	25	65
Golden Hubbard.....	10	25	75
Prolific Orange Marrow. ...	10	25	70

SPINACH

Thick Leaf Summer.....	5	10	15
Victoria Long Standing.....	5	10	15
Bloomsdale.....	5	10	15

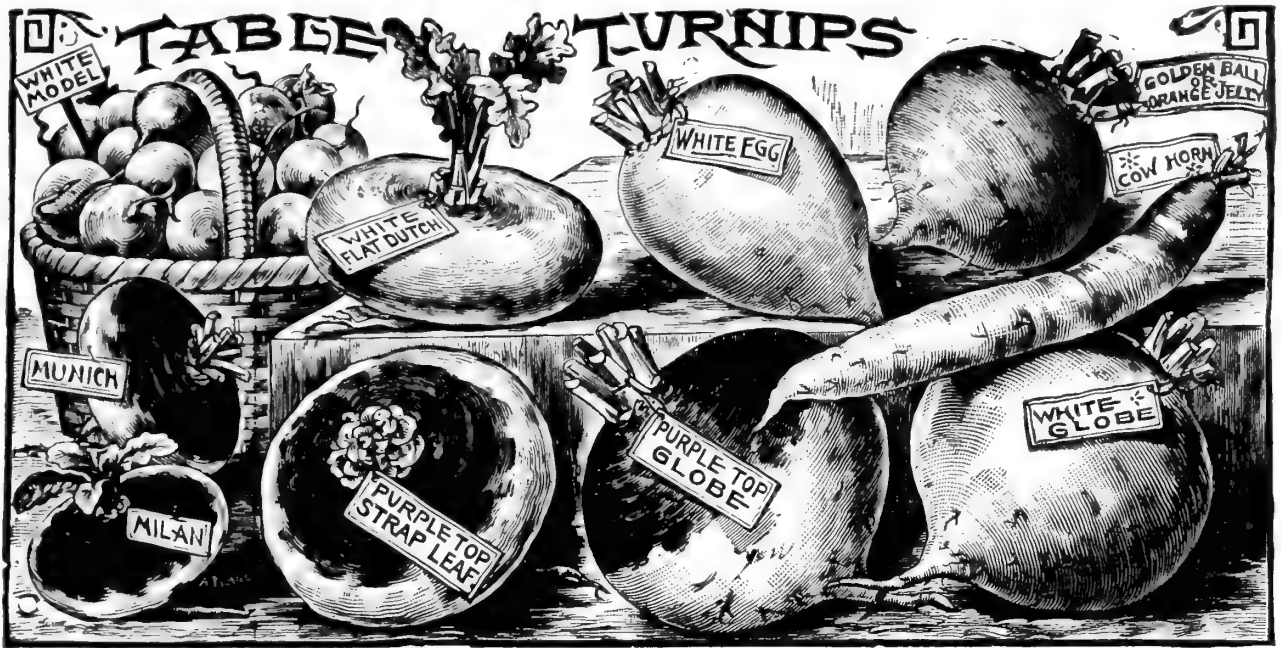
10 lbs. for \$1.25.

SALSIFY

White French.....	10	30	1 00
Mammoth Sandwich Island	10	30	1 00

TOMATO

	OZ.	$\frac{1}{4}$ LB.	LB.
Livingston's Globe.....	25	75	\$2 50
Earliana.....	25	75	2 50
Magnus.....	20	60	2 00
Honor Bright.....	20	60	2 00
Favorite.....	15	50	1 75
Beauty.....	15	50	1 75
Early Acme.....	15	50	1 75
Perfection.....	15	50	1 75
Stone.....	20	60	2 00
Chalk's Early Jewel....	20	60	2 00
Golden Queen.....	20	60	2 00
Dwarf Stone.....	30	1 00	3 50
Dwarf Champion.....	20	60	2 00
Trophy.....	15	50	1 75
Mikado.....	20	60	2 00
Matchless.....	20	60	2 00
Ponderosa.....	25	85	3 00
Early Michigan.....	15	50	1 75
Red Cherry.....	20	60	2 00
Plum Shape.....	20	60	2 00
Large Yellow.....	20	60	2 00



TURNIPS

WHITE FLESHED SORTS

	OZ.	$\frac{1}{4}$ LB.	LB.
Early White Flat Dutch.....	5	15	50
Extra Early Purple Top Milan.....	10	25	75
White Egg.....	5	15	50
Early Purple Top Strap Leaf.....	5	15	$\frac{1}{2}$ 50
Purple Top White Globe.....	5	15	50
Long White Cow Horn.....	5	15	50
Sweet German.....	5	15	50
Early White Stone.....	5	15	50

YELLOW FLESHED SORTS

Green Top Yellow Aberdeen.....	5	15	50
Yellow Globe.....	5	15	50
Early Yellow Stone.....	5	15	50
Robertson's Golden Ball.....	5	15	50

RUTABAGA OR SWEDES

American Purple Top.....	5	15	40
Carter's Imperial Purple Top.....	5	15	40
Hall's Westbury.....	5	15	40
Shirving's Liverpool.....	5	15	40
White Sweet Russian.....	5	15	40
Laing's Purple Top.....	5	15	40

Turnip in 5 lb. lots 45c; in 10 lb. lots or more 40c.

Rutabaga in 5 lb. lots 35c; in 10 lb. lots 30c.



AMERICAN PURPLE TOP RUTABAGA

SWEET HERBS

	OZ.	LB.
Anise.....	10	\$1 00
Basil, Sweet.....	10	1 25
Caraway, for Sowing.....	10	75
Dill.....	10	60
Fennel, Sweet.....	10	65

	OZ.	LB.
Horehound.....	15	\$2 00
Lavender.....	10	1 25
Majoram, Sweet.....	15	1 00
Rosemary.....	25	2 75
Rue.....	15	2 00

	OZ.	LB.
Saffron.....	10	\$1 25
Sage, Broad Leaf.....	15	1 25
Savory, Summer.....	10	1 00
Thyme, English.....	30	4 00
Wormwood.....	15	1 75



RED COB ENSILAGE CORN

Fodder Corn

	BU.
Red Cob Ensilage.. ..	\$1 25
Leaming	1 50
Yellow Dent Fodder.....	1 25
Evergreen Sweet Fodder	2 50
Mixed Sweet Fodder.....	2 00

Field Corn

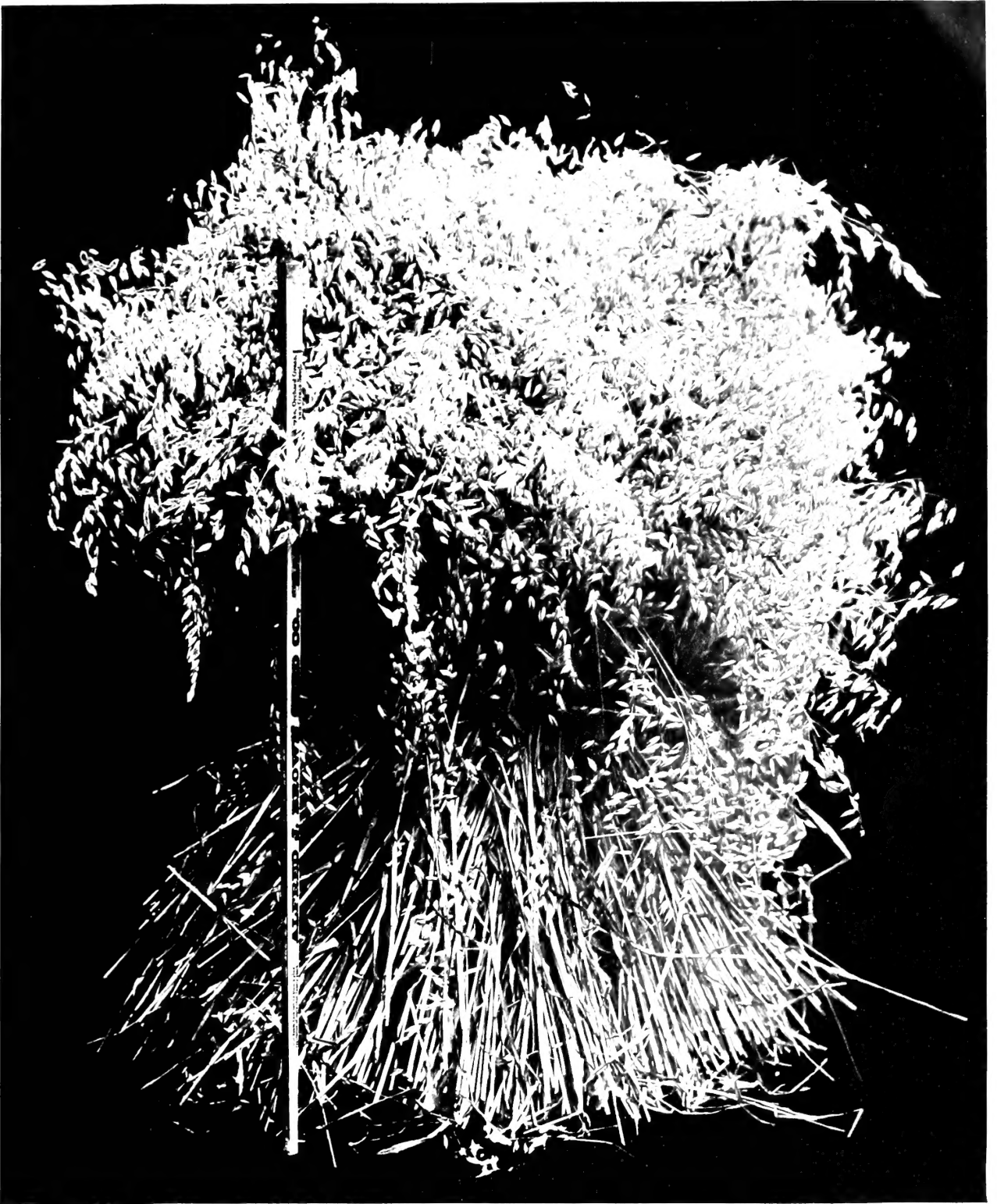
	BU.
Picket Yellow Dent	\$2 00
Pride of the North.....	1 75
White Cap Yellow Dent.....	1 75
Michigan Yellow Dent.....	1 60
Early Huron Yellow Dent.....	1 75
Michigan White Dent.....	1 75
Eight Rowed Yankee.....	2 00
Smut Nose	2 00



Picket Yellow Dent



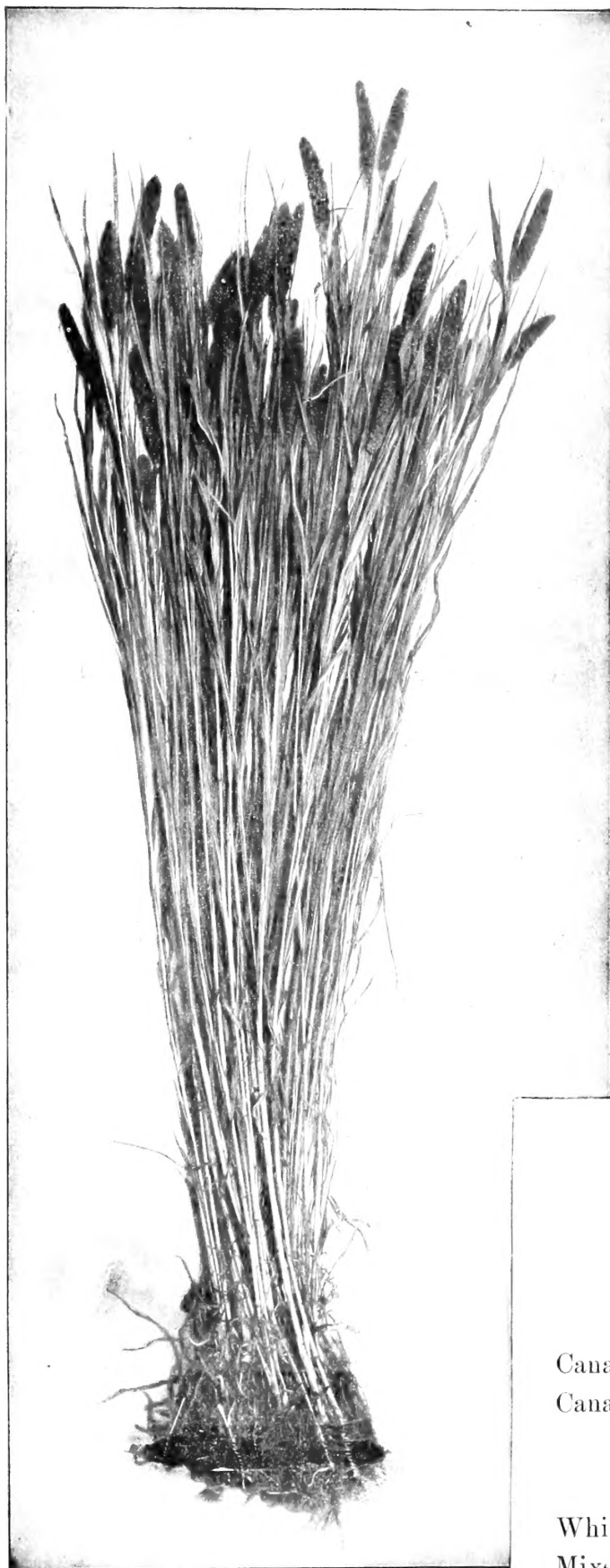
MICHIGAN EARLY WHITE DENT



TRUE SWEDISH OAT

After repeated trials for several years we find the Swedish Oat is by far the best oat for the Michigan farmer. The seed we offer is our own growing and we know they are pure. The photo shown above was taken from an average bundle out of a field in East Paris, Kent. County, Michigan, about ten miles from Grand Rapids. **Price per bushel \$1.00.**

(Ask for special price on quantity)



GRASS SEED

SUBJECT TO MARKET FLUCTUATION

	Per Bu.
Timothy	\$5 00 @ \$5 50
Orchard Grass	2 50 @ 2 75
Red Top, Choice Unhulled ..	2 00 @ 2 25
Red Top, Fancy Solid Seed, per lb.....	20
Kentucky Blue Grass, Fancy, per lb...	30
Lawn Grass, Fancy, per lb.	30
Lawn Grass, Choice, per lb.	25

SEED GRAIN

PRICES SUBJECT TO MARKET CHANGES

	Per Bu.
Spring Rye	\$1 50
Spring Wheat.....	1 75
Barley, Two Rowed.....	1 50
Barley, Six Rowed.....	1 40
Buckwheat, Common.....	1 00
Buckwheat, Japanese.....	1 25
Buckwheat, Silver Hull.....	1 25

MISCELLANEOUS SEEDS

	Per 100 Lbs.
Amber Sugar Cane.....	\$3 00
Kaffir Corn, White.....	2 00
Sand Vetches, per lb., 10c; per 100 lbs.	9 00
Dwarf Essex Rape, per lb. 7c; per 100 lbs.	6 00
Speltz, per bushel of 40 lbs.....	1 00

MILLET AND HUNGARIAN GRASS

	Per Bu.
Common Millet.....	\$1 50
German Millet	1 50
Hungarian	1 50

These prices subject to change.

FIELD PEAS

	Per Bu.
Canada Field, Good Quality	\$1 50
Canada Field, Extra Choice Quality.....	1 80

COW PEAS

	Per Bu.
Whippoorwill	4 00
Mixed Varieties.....	3 75



ALFALFA

This is a photograph of the **third crop**, cut the latter part of September, showing a growth of two feet or more. The land on which this alfalfa was grown is a gravelly soil within 10 miles of Grand Rapids. The first cutting was the latter part of May; the second in July.

CULTIVATION. To insure success the land must be thoroughly cultivated and free from weeds. Soil of clay loam should be plowed and cultivated deep, while light, sandy soil should have shallow cultivation so as to secure a compact firm seed bed.

SUITABLE SOIL. Sandy or gravelly soil with a porous sub-soil which will permit the penetration of the root is considered generally to be the most suitable soil for Alfalfa. Avoid low, cold, wet lands; also high, wet lands such as seepy hillsides. An impenetrable hard-pan sub-soil is very undesirable.

TIME OF SEEDING. May and June seeding seem to give the best general results although successful seeding in July, even up to August 1st, has been accomplished. Sow from 15 to 20 lbs. to the acre broadcast, followed by very light discing or harrowing, or both, as the conditions may demand, on well prepared loam soil. On light, sandy soil, which is apt to drift or dry out quickly, the seed sowed should be imbedded to a greater depth.

QUALITY OF SEED. We most strongly urge the sowing of northern grown American seed of the best quality obtainable. It costs a little more to seed per acre but it is worth much more.

We do not favor a nurse crop, but if a nurse crop is used do not sow but one-half to two-thirds as much seed. For further information write to Michigan Agricultural College, East Lansing, Michigan, for Bulletin No. 225.

VALUABLE TABLE

Seed requisite to produce a given number of Plants, and sow a given amount of ground.

	Quantity per acre		Quantity per acre
Asparagus, 1 oz. to 200 plants.....	5 lbs.	Hemp	½ bu.
Barley	2½ bu.	Kale, 1 oz. to 3000 plants.....	4 oz.
Beans, drawf, 1 quart to 150 feet of drill	1 bu.	Kohl-Rabi, 1 oz. to 200 feet of drill... 1½ lbs.	
Beans, pole, 1 quart to 200 hills.....	½ bu.	Lettuce, 1 oz. to 250 feet of drill.....	3 lbs.
Beet, garden, 1 oz. to 100 feet of drill. 10 lbs.		Melon, Musk, 1 oz. to 100 hills.....	2 lbs.
Beet, mangel, 1 oz. to 150 feet of drill. 10 lbs.		Melon, Water, 1 oz. . to 25 hills.....	2½ lbs.
Broccoli, 1 oz. to 3000 plants.....	5 oz.	Nasturtium, 1 oz. to 50 feet of drill... 10 lbs.	
Broom Corn	10 lbs.	Oats	2½ bu.
Buckwheat	½ bu.	Onion Seed, 1 oz. to 200 feet of drill.. 4 lbs.	
Cabbage, 1 oz. to 3000 plants.....	5 oz.	Onion Seed, for sets.....	75 lbs.
Carrott, 1 oz. to 250 feet of drill.....	2½ lbs.	Onion Sets, 1 quart to 20 feet of drill. 8 bu.	
Cauliflower, 1 oz. to 3000 plants.....	5 oz.	Parsnip, 1 oz. to 250 feet of drill.... 5 lbs.	
Celery, 1 oz. to 10,000 plants.....	4 oz.	Parsley, 1 oz. to 250 feet of drill.....	8 lbs.
Clover, Alsike and White Dutch.... 6 lbs.		Peas, garden, 1 qt. to 150 feet of drill. 2 bu.	
" Alfalfa, Crimson.....	20 lbs.	Peas, field	3 bu.
" Medium and Mammoth.....	10 lbs.	Pepper, 1 oz. to 1500 plants.....	4 oz.
Collards, 1 oz. to 2500 plants.....	6 oz.	Potatoes	8 bu.
Corn, sweet, 1 quart to 500 hills.....	8 qts.	Pumpkin, 1 quart to 300 hills.....	4 qts.
Cress, 1 oz. to 150 feet of drill.....	8 lbs.	Radish, 1 oz. to 150 feet of drill.....	8 lbs.
Cucumber, 1 oz. to 80 hills.....	2½ lbs.	Rye	1½ bu.
Egg Plant, 1 oz. to 2000 plants.....	3 oz.	Salsify, 1 oz. to 60 feet of drill.....	8 lbs.
Endive, 1 oz. to 300 feet of drill.....	3 lbs.	Spinage, 1 oz. to 150 feet of drill.....	15 lbs.
Flax, broadcast.....	½ bu.	Summer Savoy, 1 oz. to 500 feet of drill 2 lbs.	
Garlic, bulbs, 1 lb. to 10 feet of drill.....	2½ lbs.	Squash, summer, 1 oz. to 40 hills.....	2 lbs.
Gourd, 1 oz. to 25 hills.....	2½ lbs.	Squash, winter, 1 oz. to 10 hills.....	3 lbs.
Grass, Blue Kentucky.....	2 bu.	Tomato, 1 oz. to 3000 plants.....	3 oz.
" Blue English.....	1 bu.	Tobacco, 1 oz. to 5000 plants.....	2 oz.
" Hungarian and Millet....¾ to 1 bu.		Turnip, 1 oz. to 250 feet of drill.....	1½ lbs.
" Mixed Lawn.....	4 bu.	Vetches,	2 bu.
" Orchard, Perennial Rye, Red Top, Fowl Meadow and Wood Meadow	2 bu.	Wheat	1 to 2 bu.

Number of Plants or Trees to the Acre at given distances.

Dis. apart	No. Plants	Dis. apart	No. Plants	Dis. apart	No. Plants	Dis. apart	No. Plants
½ foot.....	174,240	3 feet by 3 feet	4,840	6 feet.....	1,210	12 feet.....	302
1 foot.....	43,560	4 feet by 1 foot	10,888	7 feet.....	889	15 feet.....	193
1½ feet.....	19,360	4 feet by 2 feet	5,444	8 feet.....	680	18 feet.....	134
2 feet.....	10,890	4 feet by 3 feet	3,629	9 feet.....	573	20 feet.....	108
2½ feet.....	6,969	4 feet by 4 feet	2,722	10 feet.....	435	25 feet.....	69
3 feet by 1 foot	14,520	5 feet by 5 feet	1,742	11 feet.....	360	30 feet.....	49
3 feet by 2 feet	7,260						

Standard Weight of Various Articles.

Apples	per bush	48 lbs.	Onions	per bush	56 lbs.
Apples, dried	"	22 "	Peas	"	60 "
Barley	"	48 "	Rape	"	50 "
Beans	"	60 "	Rye	"	56 "
Buckwheat	"	48 "	Red Top Seed.....	"	14 "
Broom Corn.....	"	46 "	Salt Coarse	"	50 "
Blue Grass, Kentucky.....	"	14 "	Salt, Michigan	"	56 "
Blue Grass, English.....	"	24 "	Sweet Potatoes.....	"	56 "
Bran	"	20 "	Timothy Seed.....	"	45 "
Canary Seed.....	"	60 "	Turnips	"	58 "
Castor Beans.....	"	46 "	Wheat	"	60 "
Clover Seed.....	"	60 "	Beef and pork, per bbl., net.....		200 "
Corn, shelled.....	"	56 "	Flour, per bbl., net.....		196 "
Corn, on ear.....	"	70 "	Salt, per bbl.....		280 "
Corn Meal.....	"	50 "	Lime, per bbl.....		220 "
Dried Peaches.....	"	28 "	Hay, well settled, per cubic foot.....		4½ "
Flax Seed.....	"	56 "	Corn, on cob, in bin per cubic foot....		22 "
Hemp Seed.....	"	44 "	Corn, shelled, in bin, per cubic foot... 45 "		
Hungarian Grass Seed.....	"	50 "	Wheat, in bin, per cubic foot.....		48 "
Irish Potatoes.....	"	60 "	Oats, in bin, per cubic foot.....		25½ "
Millett	"	50 "	Sand, dry, per cubic foot.....		95 "
Malt	"	38 "	Clay, compact, per cubic foot.....		135 "
Oats	"	32 "	Seasoned Beech Wood, per cord.....		5616 "
Orchard Grass	"	14 "	Seasoned Hickory, per cord.....		6960 "